

NOTICE AND NECESSARY INFORMATION (NANI)

This form is to assist compliance with the bulk sewage (biosolids) notification requirements [503.12(f)]. Please note, however, that if the biosolids meet the exceptional quality criteria, then the notification requirements do not apply. This form can be used by preparers of biosolids to transmit information to land appliers and also by land appliers to transmit information to land owners or lease holders.

Facility and Biosolids Type:: NWWRP Compliance

Monitoring Period: 3/1/18 To: 4/30/18

Name	Concentration (mg/Kg) Dry Weight	Pollutant Concentrations (Table 3, 40 CFR 503.13) Monthly Average	Ceiling Concentrations* (Table 1, 40 CFR 503.13) Daily Maximum
Arsenic	22.0	41	75
Cadmium	< 3.58	39	85
Chromium	59.4	N/A**	3000
Copper	409	1500	4300
Lead	5.95	300	840
Mercury	0.523	17	57
Molybdenum	11.3	N/A**	75
Nickel	23.8	420	420
Nitrogen Concen	51400	N/A**	N/A**
Selenium	< 17.9	100	100
Zinc	708	2800	7500

* Biosolids may not be land applied if any pollutant exceeds these values.

** EPA has temporarily removed molybdenum limits from Table 3, Table 2 and Table

B. Pathogen Reduction (40CFR 503.32) -- Please indicate the level achieved


☐ Class A ☒ Class B

C. Vector Attraction Reduction (40CFR 503.33) -- Please indicate the option perform

☒ Option 1 ☐ Option 2 ☐ Option 3 ☐ Option 4
☐ Option 5 ☐ Option 6 ☐ Option 7 ☐ Option 8
☐ No vector attraction reduction options were performed

D. Certification

I certify, under penalty of law, that the information that will be used to determine compliance with the Class B pathogen requirements in §503.32(b) and the vector attraction reduction requirement in §503.33(b)(1) was prepared under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate this information. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment.

A. Name and Official Title Jennifer Hetherington, Wastewater Compliance Specialist	B. Area Code and Telephone Number 480-644-3890
C. Signature 	D. Date Signed April 9, 2018

Laboratory Sample ID: 180307015

Denali_006476



CITY OF MESA COMPLIANCE LABORATORY

640 NORTH MESA DRIVE MESA, ARIZONA 85211

Environmental Laboratory License AZ0410

LABORATORY SUPERVISOR: MATTHEW REXING Ph (480)644-5403

QUALITY ASSURANCE COORDINATOR: Amy Cerwinske Ph (480)644-6901

Attn: Jennifer Hetherington

OrderID: 180307015

CollectDate: 3/6/2018

Collection Time: 1:00:00 PM

Collector: B. Innis

Sample Number: 18030099

ReceiveDate: 3/7/2018

Customer Sample#:

Project ID: NWWRP BIOSOLIDS

Site: NWWRP Biosolids

RESULTS

Parameter	Method No	MRL	Qualifier	Result	Analysis Date	Analyst
Nitrogen, Ammonia Total	SM 4500-NH3 C	1130	D2	5640 mg/Kg-dry	3/15/2018	PSERIA
Cyanide, Total	EPA 9014	4.48		< 4.48 mg/Kg-dry	3/13/2018	PSERIA
Arsenic, Total	EPA 6010D	8.95		22.0 mg/Kg-dry	3/15/2018	ACHARLS
Cadmium, Total	EPA 6010D	3.58	D1	< 3.58 mg/Kg-dry	3/22/2018	ACHARLS
Chromium, Total	EPA 6010D	8.95	M1	59.4 mg/Kg-dry	3/15/2018	ACHARLS
Copper, Total	EPA 6010D	8.95	M1, M2	409 mg/Kg-dry	3/15/2018	ACHARLS
Lead, Total	EPA 6010D	4.48		5.95 mg/Kg-dry	3/15/2018	ACHARLS
Molybdenum, Total	EPA 6010D	2.24		11.3 mg/Kg-dry	3/15/2018	ACHARLS
Nickel, Total	EPA 6010D	2.24		23.8 mg/Kg-dry	3/15/2018	ACHARLS
Selenium, Total	EPA 6010D	17.9	D1	< 17.9 mg/Kg-dry	3/22/2018	ACHARLS
Silver, Total	EPA 6010D	4.48	M1, D1	< 4.48 mg/Kg-dry	3/22/2018	ACHARLS
Zinc, Total	EPA 6010D	2.24	M2	708 mg/Kg-dry	3/15/2018	ACHARLS
Mercury, Total	EPA 7471B	0.175	M1, D2	0.523 mg/Kg-dry	3/28/2018	ACHARLS
Nitrogen, Nitrate-Nitrite Total	EPA 9056	101	D1, M2	< 101 mg/Kg-dry	3/20/2018	KHALLA
Nitrogen, Kjeldahl Total	SM4500-Norg	906		51400 mg/Kg-dry	3/21/2018	PSERIA
Nitrogen, Total	Calculation	1010		51400 mg/Kg-dry	3/26/2018	ACERWIN
Paint Filter	EPA 9095B			abs pres/abs	3/8/2018	PSERIA
pH	EPA 9045D	1.68		8.10 S.U.	3/8/2018	PSERIA
Phosphate as P, Total	SM4500-P	4500	D2	31500 mg/Kg-dry	3/20/2018	PSERIA
Solids, Total	SM2540G	1		22.2 %	3/8/2018	BSINGH

QUALIFIERS

D1	Sample diluted due to matrix interference.	D2	Sample diluted due to high concentration.
M1	Matrix spk rec. high, blank spk rec. acceptable.	M2	Matrix spike rec. low, blank spk rec. acceptable.

COMMENTS

REVIEWED BY:

Date Signed: 4/11/2018



Chain of Custody

Project Manager: Jennifer Hetherington

Order# <u>180307015</u>		Sampled By: <u>DT</u>	
Customer Name: <u>NWWRP Compliance</u>		Date Sampled: <u>3/6/18</u>	
Project Name: <u>NWWRP BIOSOLIDS</u>		Time Sampled: <u>0000- 1300</u>	
		Receiving Temp: <u>20c</u>	
Sample Number <u>18030571</u>		Comments:	
Analysis	NWWRP Biosolids	# of Bottles	Metals: Arsenic, Cadmium, Chromium, Copper, Lead, Molybdenum, Nickel, Selenium, Silver, Zinc
Paint Filter	X		
Mercury - SW7471B	X		
Metals - SW6010D	X		
pH	X		
Ammonia - 4500NH3C	X		
Nitrate-N - EPA9056	X		
Nitrite-N - EPA9056	X		
TKN - 4500 N ORG C	X		
Phosphorus - 4500-P B,E	X		
% Moisture	X		
% Solids	X		
Cyanide Total - 9014	X		
Total Nitrogen	X		
		2	

Sampled&Relinquished by:		Signature: <u>[Signature]</u>		Time: <u>0400</u>	
Printed Name: <u>DWAYNE TURNER</u>		Date: <u>3/6/18</u>		Sampled&Relinquished by:	
Company Name: <u>NWWRP</u>				Signature: <u>[Signature]</u>	
Received by:		Signature: <u>[Signature]</u>		Time: <u>1230</u>	
Signature: <u>[Signature]</u>		Time: <u>06:20</u>		Printed Name: <u>[Signature]</u>	
Printed Name: <u>Brian Innis</u>		Date: <u>3/6/18</u>		Date: <u>3/7/18</u>	
Company Name: <u>C.O.M.</u>				Company Name:	
Sampled&Relinquished by:		Signature: <u>[Signature]</u>		Time:	
Signature: <u>[Signature]</u>		Time: <u>13:45</u>		Printed Name:	
Printed Name: <u>Brian Innis</u>		Date: <u>3/6/18</u>		Date:	
Company Name: <u>C.O.M.</u>				Company Name:	
Received by:		Signature: <u>[Signature]</u>		Time:	
Signature: <u>[Signature]</u>		Time: <u>1130</u>		Printed Name:	
Printed Name: <u>[Signature]</u>		Date: <u>3/7/18</u>		Date:	
Company Name:				Company Name:	
Sampled&Relinquished by:		Signature: <u>[Signature]</u>		Time:	
Signature: <u>[Signature]</u>		Time: <u>1730</u>		Printed Name:	
Printed Name: <u>[Signature]</u>		Date: <u>3/7/18</u>		Date:	
Company Name:				Company Name:	